

20000402.ba v02_n852.bam.20000402

>From ???@??? Sun Apr 2 14:03:25 2000 -0500
Date: Sun, 2 Apr 2000 14:01:07 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2852
Message-Id: <20000402190542.A1118274AC@devel143.theporch.com>

BOATANCHORS Digest 2852

Topics covered in this issue include:

- 1) Transformer info please.
by "Larry Bearse" <lbearse@mail1.nai.net>
- 2) "Character"
by Dick Dillman <ddillman@igc.org>
- 3) Re: Need Motorola Schematic Info
by Tony <severdia@core.com>
- 4) Re: GE Progress Line xcvr parts ?
by "Hue Miller" <kargokult@proaxis.com>
- 5) Re: AM Transmitters
by "Hue Miller" <kargokult@proaxis.com>
- 6) Re: AM Transmitters
by W7QH0@aol.com
- 7) Microwave Oven Xfrmr Question...
by jsn@intergate.bc.ca (Steve McDonald)
- 8) WRL Couplate's
by "Gary Franklin" <franklin@net-link.net>
- 9) Microwave Oven Transformers
by "Richard Brunner" <rbrunner@gis.net>
- 10) GE Progress Line Portable Combination
by knepper <knepper@lenzlink.net>
- 11) WTB: EFJ Courier Amp
by Joe Eide <jeide@execpc.com>
- 12) URC-32 pic wanted
by Tom Norris <badger@telalink.net>
- 13) Re: [Drake] Gluing Shaft on Drake MN-2700 Tuner?
by JACK IVERSON <jackiv@juno.com>
- 14) D-104 Replacement Crystal Element
by Robert Lawson <w4rl@bellsouth.net>
- 15) Re: D-104 Replacement Crystal Element
by "DavidC" <eDoc@netzero.net>
- 16) Re: [Drake] Gluing Shaft on Drake MN-2700 Tuner?
by "DavidC" <eDoc@netzero.net>
- 17) Re: D-104 Replacement Crystal Element
by Gary Schafer <gschafer@mediaone.net>
- 18) (no subject)

- by michael watts <wy6k@yahoo.com>
- 19) Re: WRL Couplate's
by Arden Allen <gumbear@pacbell.net>
 - 20) Re: Microwave Oven Xfirmr Question...
by Arden Allen <gumbear@pacbell.net>
 - 21) Re: D-104 Replacement Crystal Element
by Allen Cutts <cacutts@mindspring.com>
 - 22) Re: D-104 Replacement Crystal Element
by Arden Allen <gumbear@pacbell.net>
 - 23) Re: "Character"
by "Sandy W5TVW" <ebjr@i-55.com>

Message-ID: <002201bf9c57\$c5253120\$bd2296d1@thecave>
From: "Larry Bearse" <lbearse@mail1.nai.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Transformer info please.
Date: Sat, 1 Apr 2000 22:47:09 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have info on the Thordarson T-45364? Possible mod iron, but not sure.

Thanks.....Larry WA1LGQ

Message-Id: <3.0.5.32.20000401204215.00803b00@pop.igc.org>
Date: Sat, 01 Apr 2000 20:42:15 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.org>
Subject: "Character"
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I guess it had to happen. After all, Harley-Davidson spent millions to develop a motorcycle frame that looks like a 1936 hard tail but in fact has the rear suspension hidden under the bike. And our audio enthusiast cousins spend great sums on tube amplifiers for the warmth of their sound and the beauty of their glow. Still, I find the press release below, downloaded from the ARMA Web site, a bit sad. I submit it with a sigh for your information. I suppose we should take it as a compliment.

Regards,

Dick

=====

FOR IMMEDIATE RELEASE

ARMA ANNOUNCES A NEW STANDARD FOR RETRO RADIOS

04/01/20 (ARMA) Los Angeles - The Amateur Radio Manufacturers Association (ARMA) announced today that its members had agreed on a technical standard that would be incorporated in selected new models of amateur radio equipment beginning in 2001. Unlike previous standards that addressed such issues as common formats for data exchange, the new standard deals exclusively with the perceived esthetics of the equipment both in person and on the air.

"We've been watching the amateur market carefully," said ARMA spokesperson Abraham White, "and we've noted an increased and growing interest on the part of many amateurs in the equipment that was used a generation ago, equipment with tubes, analog dials and a characteristic sound on the air."

Amateur radio operators have been collecting and restoring this older equipment, which they call "boatanchors", for many years. But recently the interest in this antique equipment has increased dramatically - and the price of such equipment has increased as well.

"Radios that you couldn't give away ten years ago can now cost a thousands of dollars or more - if you can find them," White said. "We've decided to address this situation by offering equipment with all the technology amateurs have come to expect on the inside but with the look and feel of the older equipment on the outside - and the sound of the older equipment on the air."

Equipment meeting the new standard will have "virtual tubes" inside the set. While actually made of plastic these tubes will glow from the inside like real tubes and actually emit a small amount of heat. The cases of the new radios will be designed with perforations or louvers to allow the owner to see the glowing tubes.

"It would be impractical to use real tubes," said T.L. Eckersley, director of engineering for ARMA. "They're expensive and hard to find. But even more significant, real tubes require high voltages which the amateur radio operators of today are unprepared to deal with. The liability exposure would be enormous."

The new sets will also have analog dials. Analog dials use a pointer rather than the standard digital readout to indicate such things as operating frequency. "But a digital display will be placed behind the analog dial," White said. "The digital readout can be brought into play at the

touch of a button. We thought this was necessary to avoid the errors that modern amateurs might make when trying to interpolate a reading from an analog dial."

But perhaps the most impressive part of the new standard addresses the sound of the radio on the air. Equipment meeting the new ARMA standard will have a control labeled "character" that will allow the operator to add progressively unique characteristics to his signal. The current standard calls for the availability of three types of "chirp", a slow drift and a small amount of hum. These can be added to the outgoing signal individually or in combination.

"We've worked closely with the FCC," Eckersley said, "to make sure our 'character' standard will produce a signal that is legal within the meaning of the rules governing the amateur service."

In its first version the character standard will work only on CW (Morse code) signals. "Future versions of the standard may address voice modes as well," White said.

Radios incorporating the new ARMA standard will be identified by a special ARMA badge in a corner of the front panel.

On Foreign Assignment on Long Island, NY

Dick Dillman, W6AWO

Chief Operator at K6KPH of the Maritime Radio Historical Society

Collector of Heavy Metal:

Harleys, Willys and Radios Over 100lbs.

Message-ID: <38E6D67C.D8ADDE69@core.com>

Date: Sat, 01 Apr 2000 21:11:24 -0800

From: Tony <severdia@core.com>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Need Motorola Schematic Info

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steve Berg wrote on Fri, 31 Mar 2000 20:49:51 -0600

>Can anyone here on the list point me to a source of schematics and/or
>manuals for old Motorola 2-way radios? Is there a web site with this
>sort of info?

Steve- What it it you need specifically? I may have it in my archives.

Did you get any other response to your query? If so, I would like to know, too. I have gobs of GE and many Motorola manuals, plus a few other assorted manuf's manuals.

TIA, 73
Tony W6ANV

==

Message-ID: <003401bf9c6b\$bd3eb3a0\$b2c36ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: GE Progress Line xcvr parts ?
Date: Sat, 1 Apr 2000 22:21:51 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a GE Prog Line xcvr with the AC supply.
Altho this is a really good looking example, the
size/ (tuning range x fun factor) is unavoidably
too low, and this is going to sacrifice its AC
supply for Morrow Twins or maybe a GRC-9.

As for the rest of it, as i harvest parts, i will
wonder:
What freq are the receiver IF xfmr's?
Is there any selectivity device such as "Permakay"
filter?
The xtal ovens - they just run on 12 volts, no
temp control of any sort, right?
If anyone has any extra manual for this equipment,
i would be happy to buy it.
Tnx, Hue Miller

Message-ID: <003901bf9c6c\$2bce3ac0\$b2c36ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AM Transmitters
Date: Sat, 1 Apr 2000 22:24:57 -0800
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: W7QH0@aol.com <W7QH0@aol.com>

| This
| uses a single 807 with a very clever but simple bias control scheme, and is
| great for rigs in the 50 - 80 watt (input) class.

--This would be a great idea for putting on AM
some of the novice-type ham cw rigs, or some
military sets such as TA-12 where the modulator
is more difficult to find.
Hue Miller

From: W7QH0@aol.com
Message-ID: <3f.2d3e6dd.26184aad@aol.com>
Date: Sun, 2 Apr 2000 03:03:09 EDT
Subject: Re: AM Transmitters
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 00-04-02 01:42:24 EST, you write:

<< -This would be a great idea for putting on AM
some of the novice-type ham cw rigs, or some
military sets such as TA-12 where the modulator
is more difficult to find. >>

Hue,

I used this circuit with a TA-12 back in the 50s. Fit the whole thing inside
the cabinet by removing out the LF loading caps and band change motor
(wouldn't do that now). Also used it with several command sets and most
recently in my Globe Scout. Worked great in all installations. A 10 H choke
(or even a 5) is enough for the modulation reactor.

Dennis DuVAll, W7QH0

Date: Sat, 1 Apr 2000 23:51:00 -0800 (PST)
Message-Id: <200004020751.XAA05403@vector.intergate.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To: Old Tube Radios <boatanchors@theporch.com>
From: jsm@intergate.bc.ca (Steve McDonald)
Subject: Microwave Oven Xfmrs Question...

Tested 2 HV xfmrs today and had some curious outcomes. Both xfmrs put out 2KV with 120VAC on primary. One end of the secondary winding appears to be grounded to the frame. With NO LOAD on the secondary, the primary was drawing 3 amps ...both xfmrs exhibited this behaviour. What could cause this??

Steve / VE7SL

Message-ID: <001d01bf9c6e\$0eb14f20\$938e59cf@franklin>
From: "Gary Franklin" <franklin@net-link.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WRL Couplate's
Date: Sun, 2 Apr 2000 07:38:23 +0100
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a number of Globe transmitters which use couplates in the audio circuits. Does anyone now the values of capacitance and resistance in these little integrated circuits? What about reliability? Are replacements for these little gems available? The two I see in circuits are: PC91 & PC81

Gary K8BKB

Message-ID: <013401bf9ca2\$696ab8a0\$291d29d8@tneltcds>
From: "Richard Brunner" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Microwave Oven Transformers
Date: Sun, 2 Apr 2000 08:51:28 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"Tested 2 HV xfmrs today and had some curious outcomes. Both xfmrs put out 2KV with 120VAC on primary. One end of the secondary winding appears to be grounded to the frame. With NO LOAD on the secondary, the primary was drawing 3 amps ...both xfmrs exhibited this behaviour. What could cause this??"

Microwave oven transformers, neon tube transformers, ignition transformers, and toy train transformers are limited output transformers. They are

designed with very high impedance so that they can be operated short-circuited without destruction, at least for awhile. Details will vary. For example, neon tube transformers have about 85% impedance and can indeed be operated short-circuited, which is close to normal operation. This high impedance is often (but not always) achieved by using magnetic shunts between the windings, permitting magnetic flux to bypass the load winding when it is overloaded/shorted. If your transformer has magnetic shunts, knock them out. They will be a stack of laminations with an insulated gap at both ends. The transformer will then act more like a normal transformer, but impedance may still be a bit high due to the winding arrangement, but may be usable.

GL

Richard Brunner, AA1P, rbrunner@gis.net

Message-ID: <38E74694.2C7AE542@lenzlink.net>
Date: Sun, 02 Apr 2000 09:09:40 -0400
From: knepper <knepper@lenzlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: GE Progress Line Portable Combination
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have just recently been given two General Electric Progress Line, 25-54 Mhz portable combination radios, HN-11. They have a detachable power pack that mounts on the bottom of these sets. I have one AC power pack and would like to find a battery pack. Can anyone point me in the right direction. I would suppose that batteries for these sets would be difficult to find?

The units are fully operational on 48 Hmz.
Thank you.

--

David Knepper - W3ST
Publisher of the Collins Journal
Secretary of the Collins Radio Association
Club Station - W3CRA
<http://www.citipage.com/collins/>

Message-ID: <38E7519A.B11FC791@execpc.com>
Date: Sun, 02 Apr 2000 08:56:42 -0500
From: Joe Eide <jeide@execpc.com>
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: EFJ Courier Amp
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I'm looking for a nice looking unmodified Courier amplifier. I would pay cash or consider making trades.

Thanks for reading this,

Joe - KB9R
Eau Claire, WI

Message-Id: <4.2.2.20000402104619.0176d100@mail1.telalink.net>
Date: Sun, 02 Apr 2000 10:47:50 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: URC-32 pic wanted
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Title says it all. Need decent photo of an URC-32 tranceiver.

Thanks

Tom

Please visit The Mil List for info on military communications gear:

[HTTP://www.telalink.net/~badger/millist/mi.html](http://www.telalink.net/~badger/millist/mi.html)

Click on the "Online Manuals..." link for a few manuals in PDF format. More to be added as time goes by.

ANY and ALL Contributions Welcome.

Tom Norris KA4RKT
badger@telalink.net Manchester, Tennessee, USA

To: Old Tube Radios <boatanchors@theporch.com>
Cc: eDoc@netzero.net, WB8VDS@aol.com, rk@mr.marconimed.com, drake@qth.net,
boatanchors@theporch.com
Date: Sun, 2 Apr 2000 10:08:40 -0500
Subject: Re: [Drake] Gluing Shaft on Drake MN-2700 Tuner?
Message-ID: <20000402.120524.-368867.18.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: JACK IVERSON <jackiv@juno.com>

A good source of the 1/4" phenolic or plastic rod for the shaft would be the old tuning wands used in tv and radios. There are a lot of them "out there" and new are not too expensive. These have been my favorites for the crystal phasing shafts on old Hammarlunds which break easily when being handled. 73 all jack.

JACK IVERSON
K0EWU
jackiv@juno.com

On Sun, 02 Apr 2000 09:20:42 -0700 Dick Carroll <dixie@townsqsr.com> writes:

> I'd find a longer piece than that in the knob, remove the
> entire shaft and splice it inside the tuner if possible, or
> replace the entire shaft.
> Splicing where it broke is practically impossible with a
> viable repair.
>
> 73, Dick W0EX
> BTW I really like the MN2700 I've had for years. It's a
> keeper.
>
> DavidC wrote:
> >
> > I just received an otherwise nice Drake MN-2700 tuner. It was
> > not packed as well as it should have been and the Resistive Tuning
> > knob was sheared off.
> >
> > The shaft appears to be some sort of fibrous material. What
> > should I use to glue the short section still inside of the knob
> back
> > on to the main shaft?
> >
> > - Thanks! & 73, DavidC K1YP in Hudson, FL
> >

> >

>

Message-ID: <38E7715C.D666CF2E@bellsouth.net>

Date: Sun, 02 Apr 2000 12:12:13 -0400

From: Robert Lawson <w4rl@bellsouth.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: D-104 Replacement Crystal Element

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Where may I find a company that supplies the Astatic D-104 crystal element.

Astatic does not sell direct to the customer, and several of the larger ham radio dealers do not carry replacement units. I only need the crystal element.

Thanks in advance.

73 Robert W4RL Pensacola Florida

Message-ID: <012e01bf9cc8\$b19cd1a0\$051fd03f@oemcomputer>

From: "DavidC" <eDoc@netzero.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: D-104 Replacement Crystal Element

Date: Sun, 2 Apr 2000 13:27:15 -0400

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Try Radio Shack, they have many fine mic elements.

If you are seeking broad response, that you may tailor later, you might try their electret element with a watch battery.

The element draws very little energy and embedded in a piece of foam inside the D-104 head it is said to make for quite a nice mic!

If you try it please let us know how it works out. I heard this idea second-hand.

- Thanks! & 73, DavidC K1YP in Hudson, FL

> Where may I find a company that supplies the Astatic D-104 crystal
> element.
> Astatic does not sell direct to the customer, and several of the larger
> ham radio dealers do not carry replacement units. I only need the
> crystal element.
>
> Thanks in advance.
>
> 73 Robert W4RL Pensacola Florida

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<http://www.netzero.net/download/index.html>

Message-ID: <017401bf9ccc\$168464e0\$051fd03f@oemcomputer>
From: "DavidC" <eDoc@netzero.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [Drake] Gluing Shaft on Drake MN-2700 Tuner?
Date: Sun, 2 Apr 2000 13:51:33 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good thought! I may even have a piece around.

I am concerned about flexing that may create backlash
and static related to plastic. Wonder if I should be?

- Thanks! & 73, DavidC K1YP in Hudson, FL

> Here's another potential source: You know those glass reflectors you
> can buy with the long fiberglass rods to stick into the ground to mark
> your driveway at night? They might work. I found some at Home Depot.
> I sawed off the white fiberglass rods and used them as antenna spacers
> (they will sure dull a saw in a hurry). They're fiberglass and pretty
> strong. Might work as tuning rod shafts. The diameter looks about
> right.
> Jim M. <jambo@iu.net>

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<http://www.netzero.net/download/index.html>

Message-ID: <38E78C93.61959519@mediaone.net>
Date: Sun, 02 Apr 2000 14:08:20 -0400
From: Gary Schafer <gschafer@mediaone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: D-104 Replacement Crystal Element
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob

I have heard that AES (Amateur electronics supply) still carries them.

73
Gary K4FMX

Robert Lawson wrote:

> Where may I find a company that supplies the Astatic D-104 crystal
> element.
> Astatic does not sell direct to the customer, and several of the larger
> ham radio dealers do not carry replacement units. I only need the
> crystal element.
>
> Thanks in advance.
>
> 73 Robert W4RL Pensacola Florida

Message-ID: <20000402182401.15820.qmail@web3202.mail.yahoo.com>
Date: Sun, 2 Apr 2000 11:24:01 -0700 (PDT)
From: michael watts <wy6k@yahoo.com>
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Does anyone know which color wires are what coming out
of a D104 silver Eagle and a Night Eagle? Or does
anyone know where I can find documentation on these

mics?

Thanks,
Mike wy6k

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Sun, 02 Apr 2000 11:21:57 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: WRL Couplate's
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FSE001VHJ1M3U@mta3.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Gary;

> I have a number of Globe transmitters which use couplates in the audio
> circuits. Does anyone know the values of capacitance and resistance in
these
> little integrated circuits? What about reliability? Are replacements for
> these little gems available? The two I see in circuits are: PC91 & PC81

"Couplates" are merely simple hybrid circuits on ceramic substrates incorporating both resistors and capacitors. Centralab was big in these back then. Being the caps are ceramics they have an indefinite life. If a lead is broken off of one it is worth it to dig away some of the ceramic dip coating to attach a wire to the stub of wire just under the coating. The only advantage to using couplates is to save space and reduce wiring labor in hand wired radios, they have no 'mystery benefits' other than being more reliable than paper caps. Centralab marketed some for general application but it seems that most of them were made to customer requirements.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Sun, 02 Apr 2000 11:10:55 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Microwave Oven Xfrmr Question...
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FSE001UUIJ0S3U@mta3.snfc21.pbi.net>
MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hello Steve;

> Tested 2 HV xfmrs today and had some curious outcomes. Both xfmrs put
out
> 2KV with 120VAC on primary. One end of the secondary winding appears to
be
> grounded to the frame. With NO LOAD on the secondary, the primary was
> drawing 3 amps ...both xfmrs exhibited this behaviour. What could cause
this??

You are dealing with the effects of economical transformer design. There
is not enough iron in the core to keep the transformer from losing
inductance as the core reaches peak magnetization at peak line voltage, the
transformer primary has insufficient *magnetizing inductance* at voltage
peaks. If you connect the transformer to a variac and reduce the primary
voltage to one half you will see that the primary current drops to much
less than 1.5 amps. The core does not begin to saturate at much lower
voltage. Is this OK? Yes, because the microwave always draws sufficient
current from the secondary that energy is transferred from primary to
secondary with little or no saturation occurring. The transformer is much
more efficient under that condition. For similar reasons, an AC induction
motor will run cooler with a light load on it than no load. Why is this?
A study of electromagnetism and transformer theory will answer that
question for you. If I would try to explain it I would have to hit the
books myself so have at it!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <200004021827.0AA22258@tisch.mail.mindspring.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 02 Apr 2000 14:24:28 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Allen Cutts <cacutts@mindspring.com>
Subject: Re: D-104 Replacement Crystal Element

>Bob
>
>I have heard that AES (Amateur electronics supply) still carries them.
>
>73
>Gary K4FMX
>

That's correct, I bought two from them just last year.

Allen Cutts
N4OZI

Date: Sun, 02 Apr 2000 11:32:51 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: D-104 Replacement Crystal Element
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FSE001JHJIN3U@mta3.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Bob;

Here's what the Astatic website <www.astatic.com> sez:

Telephone Numbers
Sales:
440-593-1111
(Toll Free) 800-421-3161
Fax: 440-593-5395

Customer Service:
440-593-1111
(Toll Free) 888-USA-D104
Fax: 440-593-5395

Parts Ordering: 440-593-1111

They should be able to steer you right.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <005501bf9cd5\$a7a2e1a0\$2364e7d0@sandy-s-pentium>
From: "Sandy W5TVW" <ebjr@i-55.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: "Character"
Date: Sun, 2 Apr 2000 13:49:04 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>

>"It would be impractical to use real tubes," said T.L.
Eckersley, director
>of engineering for ARMA. "They're expensive and hard to find.
But even
>more significant, real tubes require high voltages which the
amateur radio
>operators of today are unprepared to deal with. The liability
exposure
>would be enormous."
>

It's a very sad irony that government and lawyers have taken over
our lives and freedom! "Liability exposure"? Everyone assumes
that the general public is as mindless as the TV shows the
networks
foist on us!

I'm glad I'm not a young fellow anymore. Don't believe I'd be
able to
contend with another lifetime of this mindset and "Political
Correctness"!

73,
Sandy W5TVW

End of BOATANCHORS Digest 2852
